4” Aluminum Pneumatic Vapor Valve Flanged Mount

The aluminum 4” pneumatically actuated interlock vapor valve is designed as a vapor transfer valve for use on DOT cargo tanks and can be used to facilitate vapor recovery. It is tested and marked with a test pressure of 36 psig in accordance with 49CFR178.345-5(f).

The sequential interlock design allows the vapor valve to be plumbed in series with the outlet valve at the bottom of the tank, to ensure the vapor valve opens before the outlet valve. If desired, a wink or gauge can be plumbed to the air supply out port to provide a visual valve-open signal. If an interlock feature is not required, the outlet port can be plugged, and the valve will function as a basic non-interlock vapor valve.

The vapor valve features exceptional flow with an inward opening disk and a tapered seat to ensure a tight seal and prevent loss of lading due to surge or roll-over incidents. The aluminum body with FEP Teflon® encapsulated main seal, Fluorosilicone (FVMQ) air cylinder seals, and stainless trim, offers compatibility with a wide variety of products.

Bolted mounting configuration installs onto a 4” TTMA sump and is secured with eight 7/16” nuts (not included). Air connections are 1/8” NPT.

Valve MAWP: 15 psig [1.0 bar].

Shell Strength Test: 73 psig (5.0 bar).

Maximum Operating Pressure:**

6 psi [.40 bar] with 90 psi [6.2 bar] line pressure supplied.

8.5 psi [.59 bar] with 120 psi [8.3 bar] line pressure supplied.

** The maximum operating pressure is defined as the

maximum tank pressure that valve can open against with specified airline supply pressure. If a higher maximum operating pressure is needed, see model styles AVTC3.5 and AVFC3.5 Vapor Valves.

AVF4ALTS replaces obsolete vapor valve AV46836ALTS.

Assembly Number *	Description	Main Seat O-Ring	Piston O-Ring	Stem O-Ring	Temp. Range **	Weight
AVF4ALTS	4" Interlock Vapor Valve	FEP Teflon® Encapsulated	FVMQ	FVMQ	-50°F to +350°F [-45°C to 176°C]	7.4 lbs. [3.4 kg]
AVF4ALVB	4" Interlock Vapor Valve	FKM-BLT	FVMQ	FKM-BLT	-15°F to +350°F [-26°C to 176°C]	7.4 lbs. [3.4 kg]
AVF4ALVB023	4" Interlock Vapor Valve for 400°F (204°C) Service	FKM-BLT	FKM-BLT	FKM-BLT	-11°F to +400°F [-24°C to 204°C]	7.4 lbs. [3.4 kg]

Note: Fluorosilicone (FVMQ) seals are standard for air cylinder unless three-digit number suffix added to part number designating alternate material as shown above.

*** Last two letters of part number designate seal material.**

**** Values shown are test values. Actual values may vary due to service conditions.**

⚠ **WARNING: This product can expose you to chemicals including Chromium (hexavalent compounds) which is known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to: www.P65Warnings.ca.gov. For additional information on Betts products and Proposition 65 list please see: http://www.bettsind.com/prop-65/**